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## United States Department of Agriculture,


WASHINGTON, D. C., April 30, 1918.

### MONTHLY LIST OF PUBLICATIONS.

[APRIL, 1918.]


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#### READ CAREFULLY BEFORE ORDERING.

 Send no remittances to the U. S. Department of Agriculture.


A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply is exhausted, publications can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

 Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

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#### FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

 NOTE.—The department's supply of the current numbers of Farmers' Bulletins is ordinarily sufficient to make it possible to send them free to all applicants. They are also for sale at 5 cents per copy.

**Growing Peaches: Sites and Cultural Methods.** By H. P. Gould, Pomologist, Office of Horticultural and Pomological Investigations. Pp. 44, figs. 27. Contribution from the Bureau of Plant Industry. (**Farmers' Bulletin 917.**) Price, 10 cents.

A revision and combination of Farmers' Bulletins 631 and 632 and suitable for general distribution.

**The Principles of the Liming of Soils.** By Edmund C. Shorey, Scientist in Charge of Chemical Investigations. Pp. 30, figs. 5. Contribution from the Bureau of Soils. (**Farmers' Bulletin 921.**)

For general distribution.

**Some Common Disinfectants.** By M. Dorset, Chief of the Biochemic Division. Pp. 12. Contribution from the Bureau of Animal Industry. (**Farmers' Bulletin 926.**)

A revision of Farmers' Bulletin 345 and suitable for general distribution.

**Control of the Argentine Ant in Orange Groves.** By J. R. Horton, Scientific Assistant, Tropical and Subtropical Fruit Insect Investigations. Pp. 20, figs. 6. Contribution from the Bureau of Entomology. (**Farmers' Bulletin 928.**)

Of interest to citrus fruit growers generally.

**The Place of Sheep on New England Farms.** By F. H. Branch, Assistant Agriculturist. Pp. 30, figs. 6. Contribution from the Office of Farm Management. (**Farmers' Bulletin 929.**)

Describes the present status of this industry in the New England States and the probable profits therefrom.

**Spraying for the Control of Insects and Mites Attacking Citrus Trees in Florida.** By W. W. Yothers, Entomological Assistant, Tropical and Subtropical Fruit Insect Investigations. Pp. 39, figs. 24. Contribution from the Bureau of Entomology. (**Farmers' Bulletin 933.**)

Gives information regarding the best equipment for Florida conditions, and directions for preparing effective homemade insecticides.

**Apple Bitter-Rot and Its Control.** By John W. Roberts, Pathologist, and Leslie Pierce, Assistant, Fruit-Disease Investigations. Pp. 14, figs. 3. Contribution from the Bureau of Plant Industry. (**Farmers' Bulletin 938.**)  
For general distribution.

**Cereal Smuts and the Disinfection of Seed Grain.** By Harry B. Humphrey, Pathologist in Charge of Cereal-Disease Investigations, and Alden A. Potter, Assistant Cereal Pathologist. Pp. 28, figs. 15. Contribution from the Bureau of Plant Industry. (**Farmers' Bulletin 939.**)  
For general distribution.

**Controlling the Clover-Flower Midge in the Pacific Northwest.** By C. W. Creel and L. P. Rockwood, Scientific Assistants, Cereal and Forage Insect Investigations. Pp. 12, figs. 6. Contribution from the Bureau of Entomology. (**Farmers' Bulletin 942.**)  
For distribution throughout the section named.

**Haymaking.** By H. B. McClure, Agriculturist. Pp. 31, figs. 16. Contribution from the Office of Farm Management. (**Farmers' Bulletin 943.**)  
For general distribution.

#### DEPARTMENTAL BULLETINS—TECHNICAL.

The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information, as long as the supply lasts. However, to insure prompt receipt, remit price to the Superintendent of Documents.

**Some Biological and Control Studies of *Gastrophilus Haemorrhoidalis* and Other Bots of Horses.** By W. E. Dove, Scientific Assistant, Insects Affecting Domestic Animals. Pp. 52, pls. 5, figs. 4. Contribution from the Bureau of Entomology. (Professional Paper.) Apr. 9, 1918. (**Department Bulletin 597.**) Price, 10 cents.

Describes the life history and habits of this insect and suggests control measures.

**A Study of Share-Rented Dairy Farms in Green County, Wisconsin, and Kane County, Illinois.** By E. A. Boeger, Agriculturist. Pp. 15. Contribution from the Office of Farm Management. (Professional Paper.) Apr. 10, 1918. (**Department Bulletin 603.**) Price, 5 cents.

Of interest to landlords and tenants on share-rented dairy farms.

**Relative Resistance of Various Hardwoods to Injection with Creosote.** By Clyde H. Teesdale, in charge, Section of Wood Preservation, and J. D. MacLean, Assistant Engineer in Forest Products. Pp. 36, pls. 12, figs. 15. Contribution from the Forest Service. (Professional Paper.) Apr. 15, 1918. (**Department Bulletin 606.**) Price, 15 cents.

A technical description of results of experiments in injecting creosotes in various species of hardwoods.

**Cost of Producing Apples in Yakima Valley, Washington.** By G. H. Miller, Assistant Agriculturist, and S. M. Thomson, Scientific Assistant. Pp. 75, pls. 5, figs. 14. Contribution from the Office of Farm Management. Apr. 20, 1918. (**Department Bulletin 614.**) Price, 15 cents.

A detailed study of the current cost factors involved in the maintenance of orchards and the handling of the crop on 120 representative bearing orchards.

**Experiments with Durum Wheat.** By Carleton R. Ball, Agronomist in Charge, and J. Allen Clark, Scientific Assistant, Western Wheat Investigations, Office of Cereal Investigations. Pp. 64, figs. 13. Contribution from the Bureau of Plant Industry. (Professional Paper.) Mar. 13, 1918. (**Department Bulletin 618.**) Price, 10 cents.

Of interest to all growers of Durum wheat.

**Cropping Systems for the Moisture Portion of Eastern Washington and Oregon and Northern Idaho.** By Lee W. Fluharty, Assistant Agriculturist. Pp. 12. Contribution from the Office of Farm Management. Apr. 8, 1918. (**Department Bulletin 625.**) Price, 5 cents.

Of interest to farmers in the sections noted.

**Studies on the Digestibility of Some Nut Oils.** By A. D. Holmes, Specialist in Charge of Digestion Experiments, Office of Home Economics. Pp. 19. Contribution from the States Relations Service. (Professional Paper.) Apr. 16, 1918. (**Department Bulletin 630.**) Price, 5 cents.

A study of the digestibility of almond, black-walnut, Brazil-nut, butter-nut, hickory-nut, English-walnut, and pecan oils. Of interest to students and investigators of food problems.

**A Physical and Chemical Study of the Kafir Kernel.** By George L. Bidwell, Chemist in Charge, Cattle Food and Grain Investigation Laboratory. Pp. 6, fig. 1. Contribution from the Bureau of Chemistry. (Professional Paper.) Apr. 4, 1918. (**Department Bulletin 634.**) Price, 5 cents.

A study showing that, if properly handled, kafir products might be substituted for corresponding corn products.

**The Commercial Freezing and Storing of Fish.** By Ernest D. Clark and Lloyd H. Almy, Food Research Laboratory. Pp. 10, pls. 4. Contribution from the Bureau of Chemistry. Mar. 9, 1918. (**Department Bulletin 635.**) Price, 5 cents.

A description of the various methods used in the commercial freezing and storing of fish.

**Forestry and Community Development.** By Samuel T. Dana, Assistant Chief of Forest Investigations. Pp. 35, pls. 8. Contribution from the Forest Service. Apr. 8, 1918. (**Department Bulletin 638.**) Price, 10 cents.

Relates to the destruction of our forests on the development of other resources of the country.

**The Mediterranean Fruit Fly.** By E. A. Back, Entomologist, and C. E. Pemberton, Assistant Entomologist, Mediterranean and Other Fruit Fly Investigations. Pp. 44, figs. 33. Contribution from the Bureau of Entomology. Apr. 8, 1918. (**Department Bulletin 640.**) Price, 15 cents.

A statement of the distribution, life history, and habits of this insect, with suggestions for its control.

**Lessons on Pork Production for Elementary Rural Schools.** By E. A. Miller, Specialist in Agricultural Education. Pp. 25, figs. 15. Contribution from the States Relations Service. (Professional Paper.) Apr. 6, 1918. (**Department Bulletin 646.**) Price, 5 cents.

This bulletin is intended for the use of teachers of elementary agriculture.

**Experiments on the Digestibility of Fish.** By A. D. Holmes, Specialist in Charge of Digestion Experiments, Office of Home Economics. Pp. 15. Contribution from the States Relations Service. (Professional Paper.) Apr. 13, 1918. (**Department Bulletin 649.**) Price, 5 cents.

This bulletin records studies of the digestibility of Boston mackerel, butterfish, grayfish, and salmon, and is primarily of interest to students and investigators of food problems.

**Influence on Linseed Oil of the Geographical Source and Variety of Flax.** By Frank Rabak, Chemical Biologist, Office of Drug-Plant and Poisonous-Plant Investigations. Pp. 16. Contribution from the Bureau of Plant Industry. (Professional Paper.) Apr. 20, 1918. (**Department Bulletin 655.**) Price, 5 cents.

Of interest to manufacturers of paints and varnishes.

**The Manufacture of Casein from Buttermilk or Skim Milk.** By Arnold O. Dahlberg, of the Dairy Division. Pp. 32, figs. 9. Contribution from the Bureau of Animal Industry. Apr. 9, 1918. (**Department Bulletin 661.**) Price, 5 cents.

Describes the method of manufacture of casein and is of interest to owners of creameries generally.

**Production of Lumber, Lath, and Shingles in 1916.** By Franklin H. Smith and Albert H. Pierson, Statisticians in Forest Products. Pp. 43, fig. 1. Contribution from the Forest Service. (Professional Paper.) Apr. 19, 1918. (**Department Bulletin 673.**) Price, 5 cents.

Of interest to lumbermen and builders generally.

#### MISCELLANEOUS.

**Report of the Alaska Agricultural Experiment Stations, 1916.** Pp. 91, pls. 13. Apr. 16, 1918. Price, 20 cents.

**The Work of the Scottsbluff Reclamation Project Experiment Farm in 1916.** By Fritz Knorr, Farm Superintendent. Pp. 18. Mar. 12, 1918. (**W. A. I. 18, Bureau of Plant Industry.**) Price, 5 cents.

**Errors in the Weight of Print Butter, Their Causes and Prevention.** By H. Runkel, Assistant Chemist, Bureau of Chemistry, and H. M. Roeser, Assistant Physicist, Bureau of Standards, Department of Commerce. Pp. 15, figs. 7. Contribution from the Bureau of Chemistry. (**Circular 95, Office of the Secretary.**) Price, 5 cents.

**Use Peanut Flour to Save Wheat.** Pp. 4. Contribution from the States Relations Service. Apr. 15, 1918. (**Circular 110, Office of the Secretary.**)

Contains recipes showing various ways of using peanut flour.

**The Farm Labor Problem. Man-Power Sufficient if Properly Mobilized by Cooperation and Community Action.** By Clarence Ounsley, Assistant Secretary of Agriculture. Pp. 10. (**Circular 112, Office of the Secretary.**)

#### SERIALS.

**Journal of Agricultural Research.** (For sale only.) Vol. 13, No. 1, Apr. 1, 1918. Contents: Studies on Capacities of Soils for Irrigation Water, and on a New Method of Determining Volume Weight. (mo Cal. 19) By O. W. Israelson.—Some Stoneflies Injurious to Vegetation. (mq K-62) By E. J. Newcomer.—Basal Katabolism of Cattle and Other Species. (mp Pa-6) By Henry Prentiss Arnsby, J. August Fries, and Winfred Waite Braman.—Further Notes on the Oriental Peach Moth, *Laspeyresia molesta*. (na K 63) By W. B. Wood and E. R. Selkregg. Pp. 1-72, pls. 10, figs. 22. Price, 30 cents.

**Same, Vol. 13, No. 3, Apr. 15, 1918.** Contents: Overwintering of the House Fly. (my K-64) By R. H. Hutchison.—Soil Acidity as Influenced by Green Manures. (mx Pa-7) By J. W. White.—A Leafblight of *Kalmia latifolia*. (nb G-141) By Ella M. A. Enlows. Pp. 149-212, pls. 5, figs. 2. Price, 20 cents.

**Experiment Station Record.** Vol. 38, No. 1. January, 1918. E. W. Allen, Ph. D., Editor. Pp. 1-100. Price, 15 cents.

**Same, Vol. 38, No. 2.** February, 1918. Pp. 101-200. Price, 15 cents.

**NOTE.**—The Record is a technical review of the world's scientific literature pertaining to agriculture. It is not intended for general distribution, and its free distribution is restricted to persons connected with the agricultural colleges, experiment stations, and similar institutions, and to libraries and exchanges. It can not be sent free to individuals having no official connection with public institutions. The Superintendent of Documents will receive subscriptions for this publication, which is issued in two volumes a year, 10 numbers each, at \$1 a volume.



**The Monthly Crop Report.** Vol. 4, No. 4, April, 1918. Pp. 33-44. (Bureau of Crop Estimates.)

Contains data relating to agriculture, including estimates of acreage, conditions, yields, prices, and value of crops and live stock. For free distribution.

#### SOIL SURVEYS.

All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

**Soil Survey of Brooks County, Georgia.** By A. T. Sweet and B. W. Tillman. Pp. 42, pls. 5, fig. 1, map. (From *F. O. Soils, 1916*.) Price, 15 cents.

**Soil Survey of Eastland County, Texas.** By William G. Smith, J. H. Agee, W. L. Watkins, and W. A. Rockle. Pp. 37, fig. 1, map. (From *F. O. Soils, 1916*.) Price, 15 cents.

#### SEPARATES.

**The Great Plains Waterfowl Breeding Grounds and Their Protection.** By Harry C. Oberholser, Biological Survey. Pp. 10, pls. 2. (Separate 723, Yearbook 1917.) Price, 5 cents.

**The House Rat, the Most Destructive Animal in the World.** By David E. Lantz, Bureau of Biological Survey. Pp. 19, pls. 4. (Separate 725, Yearbook 1917.) Price, 5 cents.

**The Design of Public Roads.** By Charles H. Moorefield, Office of Public Roads and Rural Engineering. Pp. 19, figs. 4. (Separate 727, Yearbook 1917.) Price, 5 cents.

**The Sources of Our Nitrogenous Fertilizers.** By Frederick W. Brown, Bureau of Soils. Pp. 10. (Separate 729, Yearbook 1917.) Price, 5 cents.

**Phosphate Rock Our Greatest Fertilizer Asset.** By William H. Waggaman, Bureau of Soils. Pp. 9. (Separate 730, Yearbook 1917.) Price, 5 cents.

**Danger of Introducing Fruit Flies in the United States.** By E. A. Back, Bureau of Entomology. Pp. 14, pls. 8. (Separate 731, Yearbook 1917.) Price, 5 cents.

**Conservation of Fertilizer Materials from Minor Sources.** By C. C. Fletcher, Bureau of Soils. Pp. 8. (Separate 733, Yearbook 1917.) Price, 5 cents.

**Production of Drug-Plant Crops in the United States.** By W. W. Stockberger, Bureau of Plant Industry. Pp. 10, pls. 4. (Separate 734, Yearbook 1917.) Price, 5 cents.

**Teamwork Between the Farmer and His Agent.** By C. E. Bassett, Bureau of Markets. Pp. 7. (Separate 736, Yearbook 1917.) Price, 5 cents.

**Butterfat and Income.** By J. C. McDowell, Bureau of Animal Industry. Pp. 8, figs. 2. (Separate 743, Yearbook 1917.) Price, 5 cents.

**How the Dairy Cow Brought Prosperity in the Wake of the Boll Weevil.** By L. A. Higgins, Bureau of Animal Industry. Pp. 10, pls. 2. (Separate 744, Yearbook 1917.) Price, 5 cents.

**The Service of Cold Storage in the Conservation of Foodstuffs.** By I. C. Franklin, Bureau of Markets. Pp. 11, fig. 1. (Separate 745, Yearbook 1917.) Price, 5 cents.

**A Wasted Sugar Supply.** By E. F. Phillips, Bureau of Entomology. Pp. 8, pls. 2. (Separate 747, Yearbook 1917.) Price, 5 cents.

**Present Status of the Peanut Industry.** By H. C. Thompson, Bureau of Plant Industry. Pp. 16, pls. 3. (Separate 748, Yearbook 1917.) Price, 5 cents.

**Wool: Production, Foreign Trade, Supply, and Consumption.** By George K. Holmes, Bureau of Crop Estimates. Pp. 26. (Separate 751, Yearbook 1917.) Price, 5 cents.

**Sugar Supply of the United States.** By Frank Andrews, Bureau of Crop Estimates. Pp. 16. (Separate 756, Yearbook 1917.) Price, 5 cents.

**Statistics of Grain Crops, 1917.** Pp. 50. (Separate 759, Yearbook 1917.) Price, — cents.

#### PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

FRANCIS J. P. CLEARY,  
Acting Chief, Division of Publications.